

**PERFECTLY PORTABLE AND POWERFUL**

Featuring a 14.1" display<sup>2</sup>, thin-and-light chassis with up to 4.5 hours of battery life<sup>6</sup>.

Screaming-fast Intel® Centrino® Duo processor technology with powerful Intel Core™ 2 Duo processor.

Microsoft® Windows Vista® Home Premium operating system is easy-to-use and delivers new security and entertainment features.

**ABSOLUTELY STUNNING**

Gorgeous multi-layer paint coating with silver luminous trim and a luxurious Cosmopolitan Pink exterior.

Pulsing LED ground effects emanate and glow from beneath the silver luminous trim.

Comfortable, cleverly-engineered keyboard is easy to keep clean.

**ENTERTAINMENT AND COMMUNICATION MADE EASY**

Instant mode & A/V controls provide on-demand access to your entertainment without booting-up.

Stunning, energy-efficient XBRITE-ECO™ LCD technology for dazzling colors and incredible picture clarity.

CD/DVD burner<sup>4</sup> provides easy backup of data, photos, music and videos.

Built-in 1.3 megapixel digital web camera lets you quickly snap photos and participate in live video chats<sup>5</sup>.

Step out and be seen with the with the portable, powerful and colorful VAIO® CR notebook, a 14.1"² notebook with XBRITE-ECO™ LCD technology. This thin-and-light mobile masterpiece features an array of entertainment and design extras, including a built-in web cam, AV controls, powerful, cutting-edge technologies and a comfortable, easy-to-clean keyboard.



XBRITE-ECO™



# VGN-CR290EAP

## VAIO® CR Series Notebook PC

### Specifications

#### General

Computer Type: Notebook  
Type of Use: Portable  
Action Buttons: Play/Pause, Stop, FF, and Rewind, AV Mode, Mute, Volume+, Capture and Display off  
Pointing Device: Electro-Static touch pad

#### Hardware

Keyboard: QWERTY, 82 keys with 2mm stroke and 18.05mm pitch  
Camera: Built-in 1.3 megapixel MOTION EYE® camera and microphone

#### Processor

Type: Intel® Core™ 2 Duo Processor T7500  
Speed: 2.20GHz<sup>8</sup>  
Front Side Bus Speed: 800MHz  
L2 Cache: 4MB  
Technology: Intel® Centrino® Duo Processor Technology

#### Memory

Type: DDR2  
Installed: 2GB PC2-5300 (1GBx2)  
Maximum: 4GB<sup>10</sup>  
Speed: 667MHz

#### Hard Drive

Capacity: 200GB<sup>9</sup>  
Speed: 5400rpm  
Interface: Serial ATA

#### Optical Drive #1

DVD+R DL Write: 4x max  
DVD+R Write: 8x max  
DVD+RW Write: 8x max  
DVD-R Write: 8x max  
DVD-RW Write: 6x max  
CD-R Write: 24x max  
CD-RW Write: 24x max  
DVD±RW: Yes<sup>4</sup> (DVD±R DL/DVD±RW/RAM)  
CD Read: 24x max  
DVD Read: 8x max  
DVD-RAM Write: 5x max  
DVD-R DL Write: 4x max  
DVD-RAM Read: 5x max

#### Expansion Slots

Multimedia Card Reader: One Memory Stick Duo™ media with MagicGate® functionality  
One ExpressCard™ /34 Slot  
One Secure Digital Media (SD)

#### Audio

Sound System: Realtek Audio

#### Display

Screen Size: 14.1"<sup>2</sup>  
Resolution: 1280 x 800  
Technology: WXGA LCD

#### Graphics

Processor: Mobile Intel® Graphics Media Accelerator X3100  
Video RAM: 358MB<sup>11</sup> Total Available Graphics Memory

Chipset: Intel® GM965 Express Chipset  
Interface: VGA and S-Video Out with Smart Display Sensor

#### Inputs and Outputs

Ethernet Port: 1  
Headphone Jack: 1  
Modem Jack: 1  
Microphone Input: 1  
S-Video Output(s): 1  
USB Port(s): 3 (2.0 compliant)  
VGA Output(s): 1  
DC-In: 1  
Express Card™ Slot: 1 type /34  
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)<sup>7</sup>

#### Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)  
Ethernet Speed: 10Base-T/100Base-TX  
Modem Type: Integrated V92/V.90 Modem (RJ-11)  
Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)<sup>3</sup>  
Bluetooth® Technology: Integrated Bluetooth® Technology<sup>15</sup>

#### Power

Battery Type: VGP-BPS9/S  
Estimated Battery Life: 2.0-4.5 hours<sup>6</sup> Standard Capacity Battery  
3.5-7.5 hours<sup>5</sup> Large Capacity Battery  
Power Requirements: 86W + 10%

#### Software

Operating System: Microsoft® Windows Vista® Home Premium  
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only  
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office<sup>14</sup> Home and Student 2007  
Sony® Original Software: Click to DVD® - DVD Creation  
LocationFree® Player Software  
\*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.  
Security and Anti-Virus Software: Norton 360™ All-In-One Security 60-day Trial

#### Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7<sup>13</sup>  
Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service<sup>12</sup>  
Online and Email Support: Support available from <http://www.esupport.sony.com/EN/VAIO>

#### Dimensions

Weight: 5.49<sup>1</sup> (Weight may vary depending on configuration)  
Measurements: 13.2"(W) x 0.83-1.51"(H) x 9.8"(D)<sup>1</sup>

#### Supplied Accessories

Standard Lithium-ion battery (VGP-BPS9/S)  
AC Adapter (VGP-AC19V19)  
Power Cable

#### Optional Accessories

Large Capacity Battery (VGP-BPL9)  
Additional Standard Lithium-ion Battery (VGP-BPS9A/S)

Stick AC Adapter (VGP-AC19V21)  
USB Mobile Mouse (VGP-UMS20/PI)  
USB Portable Speaker (VGP-USP1)  
100GB<sup>9</sup> Portable Hard Drive with Wireless Keys (VGP-UHDM10/B)  
Slip Case with VAIO Smart Protection® technology (VGP-CKC2/P)  
Neoprene Notebook and AC Adapter Case (VGP-AMC5)  
Notebook Backpack (VGP-CCP3/H)

Color: Cosmopolitan Pink  
UPC Code: 027242730427

1. Non-metric weights and measures are approximate and may vary.
2. Viewable area measured diagonally.
3. Requires 802.11n compatible access point. Some functionality may require Internet services, which may require a fee.
4. DVD media/formats are not universally compatible.
5. Broadband internet service required along with third party services which may require a subscription or other service fee.
6. Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
9. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
10. A portion of the system memory over 3GB may not be available to the operating system.
11. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition and system memory size.
12. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
13. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
14. This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet. Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
15. Interoperability among Bluetooth devices varies.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice.  
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance ([www.eiae.org](http://www.eiae.org)).  
© 2007 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, VAIO, XBRITE-ECCO, Memory Stick, Memory Stick Duo, MagicGate, LocationFree, MOTION EYE, i.LINK and Click to DVD are trademarks of Sony. Microsoft, Windows and Windows Vista are trademarks of Microsoft Corporation in the U.S. and other countries. Intel and Centrino are registered trademarks and Core is a trademark of Intel Corporation in the U.S. and other countries. Bluetooth is a registered trademark of SIG, Inc. All other trademarks are trademarks of their respective owners.  
Printed in U.S.A. 09/07.